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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/052,627

01/23/2002

Grace Kao

LIU 188

3097

7590

08/25/2004

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EXAMINER

PAN, YUWEN

ART UNIT

PAPER NUMBER

2682

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DATE MAILED: 08/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/052,627

Applicant(s)

KAO ET AL.

Examiner

Yuwen Pan

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-5 are rejected under 35 U.S.C. 102(e) as being anticipated by Myers et al (US006102284A).

Per claim 1, Myers discloses that a joint apparatus for personal digital assistant (PDA) and multimedia module (see figure 1, column 6 and lines 25-28) essentially comprising of:

a boxed structure (see figure 7) comprising of an upper lid, a bottom lid and a board fence, a set of PCB components assembly combining by a PCB (item 278) and an interface card (item 274) which are deposited at said bottom lid for delivering information,

a fixture assembly arranged at said bottom lid, herein the upper portion of said fixture assembly been compressed by said board fence for fixing the PDA interface equipment (see figure 1 and items 16, 18 and 24, 26), and

an elastic assembly (see figures 3 and 4, item 122) inlayed said bottom lid adjacently, whereby composition of aforesaid components, as inserting the interface card of said boxed structure into the slot of PDA interface equipment, herein said interface card will place in the slot of said PDA interface equipment, whereby forcing outwardly said fixture component, the bayonet lock (item 22) will lock said PDA interface

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equipment, said boxed structure and said PDA interface equipment will be contacted for releasing said interface card to fix said PDA interface equipment on said boxed structure, herein a released locked stage (see figure 5's) in interface card which only removing said bayonet lock of PDA interface equipment to draw the PDA interface equipment off, thus, no more releasing said interface card (see column 9 and lines 29- column 11 and line 7).

Per claim 2, Myers further teaches said fixture assembly is T-type like, one end of said fixture assembly with a bayonet lock, a pin hole and a positioned block, and the other end with two outward-sides which respective extend an extending portion, herein every said extending portion opened a chamfered portion (see figure 4).

Per claim 3, Myers further teaches that said fixture assembly curves as S-type like, herein both of the forward portion and rear portion of said fixture assembly are stretching outwardly as an elastic extending portion (see figure 4 and item 150 and 152).

Per claim 4, Myers further teaches said fixture assembly being arranged into said boxed structure, herein the positioned block of said fixture assembly will interlock with said positioned slot of said board fence for conveniently fabricating and positioning said fixture assembly to be fabricated (see figure 5 and item 122).

Per claim 5, Myers further teaches as forcing and pulling outwardly onto said fixture assembly, said chamfered portion of said assembly will contact said elastic extending portion of said elastic assembly, thus said elastic structure been compressed, a counteraction force will come to said elastic structure to pull said fixture assembly as well as drive said bayonet lock of said fixture assembly inlaid said PDA interface equipment for secure combining said boxed structure in case of falling off (see figure 3, column 8 and lines 1-18).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Myers et al (US006102284A).

Myers has taught an analogous art as recited in claim 1. Myers doesn't teach that said fixture assembly and said elastic assembly will reduce friction because of rib, thus said elastic assembly will work efficiently onto said fixture assembly. The examiner takes an official notice that it is notoriously well known in the art to incorporate the rib in order to smoothly slide the fixture assembly. It would have been obvious to one ordinary skill in the art at the time the invention was made to combine it with Myers device such that less friction would be produced.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Narayanaswami (US006657654B2) teaches camera for use with personal digital assistants with high speed communication link. Ross et al (US005859628A) teaches an apparatus and method for a personal on board information system. Register et al (US005606594A) teaches communication accessory and method of telecommunicating for a PDA. Muramasu et al (US006477391B1) teaches mobile


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telephone holding device. Blanchard, III et al (US006520466B1) teaches PDA attachment mechanism.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuwen Pan whose telephone number is 703-305-7372. The examiner can normally be reached on 8-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on 703-308-6739. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Yuwen Pan
8/16/2004


VIVIAN CHIN
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